## NOTES:

- 1) THIS DWG. REPRESENTS A SUB-GROUP OF COMPONENTS WITHIN THE NG9 ELECTRONICS SYSTEM BILL OF MATERIAL AND DOES NOT NECESSARILY REPRESENT THE ACTUAL ASSEMBLY PROCEDURE. THIS DWG DOES PROVIDE TECHNICAL INFORMATION REGARDING COMPONENT LOCATION, SUGGESTED WIRE HARNESS ROUTING, AND FASTENER APPLICATION.
- 2) ITEMS SHOWN IN PHANTOM ARE FOR REFERENCE ONLY. THESE REFERENCE ITEMS ARE PART OF OTHER SUB-GROUPS AND ARE DISPLAYED IN THIS DWG TO SHOW WIRE HARNESS CONNECTION POINTS.

10812, NG8 GYRO ENCLOSURE — (SHOWN FOR REFERENCE ONLY)	(S	11972, NG8 BRAKE MANIFOLD— HOWN FOR REFERENCE ONLY)	6	36)
			GROUND SCREW FOR ENCLOSURE GROUND CABLE  RQUE EQUALLY TO 25-30 IN/LBS.	35
		2X	UALLY TO <b>25-30 IN/LBS</b> .	(O) (DEL GOLT EILD DI HYGH)

REV.	ECN NO.	ZONE	DESCRIPTION	DATE	APPROVED
1	0174		released for production	3/6/2014	RSK
2	0204		ADDED ITEM 18 TO BILL OF MATERIAL	7/23/2014	RSK
3	0218		UPDATED GYRO CONTROL DISPLAY AND SUNCOVER	2/9/2015	RSK
4	0274		THRU BOLTED MOTOR DRIVE BOX BRACKET TO FRAME	4/27/2015	RSK

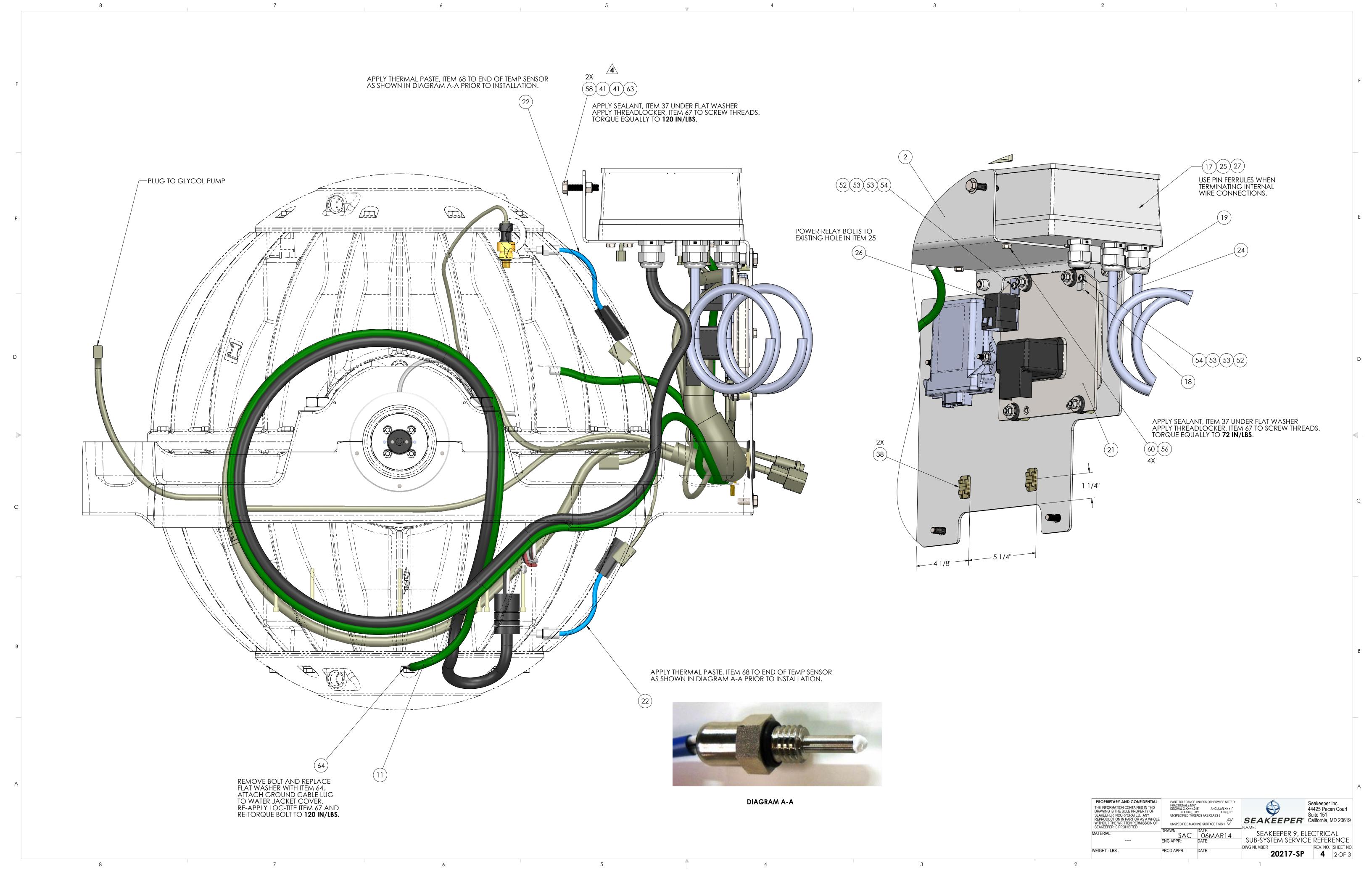
68 67	70061 70054	THERMAL JOINT COMPOUND - WAKEFIELD TYPE 120 THREAD LOCKER, LOCTITE #243, BLUE		AR AR	
66	60335	SCREW, HEX HD CAP M6-1.0 X 40MM FULL TD	316 SS	4	_
65	60333		BRASS		
64	60276	HEX HD CAP SCREW,M6-1.0 X 16mm LG, FULL THREAD  INTERNAL TOOTH LOCK WASHER, 5/16" SCREW SIZE	BRONZE	5 1	<u> </u>
63	602/6	HEX NUT, NYLOK M8-1.2 SS	316 SS	2	-
62	60260	STAND OFF, NYLON, .31X.75X.5	NYLON	4	
61	60259	BTN SKT HD MACHINE SCREW M58 X 12mm LG	18-8 SS	3	<u> </u>
60	60256	HHCS M6-1.0 X 16mm LG	316 SS		
59	60255		316 SS	4	-
		HEX NUT, NYLOK M6-1.0		6	-
58	60247	HEX HD CAP SCREW M8-1.25 X 40mm LG 316SS	316\$\$	2	-
57	60246	HEX HD CAP SCREW M8-1.25 X 20mm LG. 316SS	316\$\$	5	-
56	60223	FLAT WASHER M6 SCREW SIZE	316 SS	16	-
55	60222	HHCS M6-1.0 X 35mm LG FULL THREAD	316 SS	2	-
54	60177	SCREW, PHILLIPS HD PAN 8-32 X 0.63	18-8 SS	2	-
53	60162	FLAT WASHER, #8 SS	316 SS	4	-
52	60161	NUT, NYLOCK HEX 8-32	18-8 SS	2	-
51	60105	SCREW, SOCKET HD CAP 10-24 X 2.0 GRD8	BLK OXIDE STL	8	-
50	60097	INTERNAL TOOTH LOCK WASHER, 1/4"	BRONZE	5	_
49	60087	SCREW, PHILLIPS HD PAN 8-32 X 0.38	18-8 SS	1	-
48	60061	PAN HD MACHINE SCREW 10-24 X .50 LG	18-8SS	2	_
47	60038	FLAT WASHER, M4	18-8 SS	2	_
46	60037	SPRING LOCK WASHER, M4	18-8 SS	2	_
45	60036	BUTTON SKT HD CAP SCREW, M47 X 20MM LG	18-8 SS	2	_
44	60034	SKT HD CAP SCREW, M47 X 16mm LG. SS	18-8 SS	2	-
43	60033	FLAT WASHER #10	316\$\$	5	_
42	60015	WASHER, HI COLLAR LOC #10	ALLOY STEEL	8	-
41	60003	WASHER, FLAT TYPE B NARROW 0.31	316 SS	9	-
40	40367	GROMMET, PUSH IN 1-1/4 ID X 3/32 PANEL THKNSS.	SBR RUBBER	1	-
39	40366	MOTOR DRIVE COVER LABEL	ANODIZED ALUM.	1	-
38	40271	CLICK BOND CABLE TIE ANCHOR, TRANSVERSE BASE	COMP	2	_
37	40250	SILI-THANE 803 MARINE SEALANT		AR	
36	30269	SEAKEEPER DISPLAY SUNCOVER		1	<u> </u>
35	30268	SEAKEEPER CONTROLLER DISPLAY		1	<del> </del>
34	30255	RING TERMINAL, 16-14 GA SIZE #8 INSULATED, BLUE		1	
33	30254	RING TERMINAL, 12-10 GA SIZE #8 INSULATED, YELLOW		1	
32	30247	AMPHENOL LTW PLASTIC CAP, FEMALE		1	<u> </u>
31	30247	AMPHENOL LTW PLASTIC CAP, MALE		1	
30	30246	· ·	DI ASTIC	1	-
29	30243	TERMINATOR, NMEA 2000 MICRO, 1200HM FEMALE DISPLAY CABLE T- ADAPTOR	PLASTIC	1	-
-				1	-
28	30243	CABLE, MALE/FEMALE, NMEA 2000 PLASTIC MICRO, 25M LG.		1	-
27	30242	FERRULE 12 AWG, .47" PIN LENGTH		3	
26	30241	POWER RELAY		I	-
25	30240	FERRULE 14 AWG, .47 PIN LENGTH		2	
24	30239	MARINE GRADE ELECTRICAL CABLE, 14-3 SEAWATER PUMP		1	-
23	30236	VACUUM SENSOR, SENSATA 100CP8-17	BRASS	1	-
22	30235	THERMISTOR, GE WTS 1797	316 SS	2	_
21	30234	ECU ASSEMBLY INLCUSING ISOLATION BUSHINGS		1	_
20	30197	FERRULE 10 AWG, .47" PIN LENGTH		2	
19	30179	MARINE GRADE ELECTRICAL CABLE, 10-3 AC POWER		1	_
18	30011	CABLE TIE ANCHOR CLIP		2	_
17	30003	POSITION MARKER		1	_
16	20248	GYRO DC INPUT POWER CABLE ASSEMBLY, 5M LG.		1	-
15	20232	NG9 FLYWHEEL MOTOR ROTOR		1	-
14	20228	GROUND CABLE ASSY, 4 AWG, 13" LG.		1	_
13	20223	CANVU 355 DISPLAY INTERFACE CABLE		1	-
12	20222	GIMBAL ANGLE SENSOR & CONNECTOR ASSEMBLY		1	_
11	20220	GROUND CABLE ASSY, 4 AWG, 90" LG.		1	_
	20219	GROUND CABLE ASSY, 4 AWG, 18" LG.		1	_
10		SEAKEEPER 9 GYRO WIRING HARNESS		1	_
10 9	20218	,	i	-	_
		SEAKEEPER MOTOR DRIVE BOX	ALUMINUM	]	1
9	20218 20216		ALUMINUM 	1	_
9 8 7	20218 20216 20212	NG9 FLYWHEEL MOTOR STATOR		1 1 1	-
9 8 7 6	20218 20216 20212 20208	NG9 FLYWHEEL MOTOR STATOR DISPLAY LABEL		1 1 1	-
9 8 7 6 5	20218 20216 20212 20208 20206	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY		1 1 1 1 1	-
9 8 7 6 5 4	20218 20216 20212 20208 20206 11023	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE	  5052 ALUM	1 1 1 1 1	-
9 8 7 6 5 4 3	20218 20216 20212 20208 20206 11023 11021	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE  SEAKEEPER 9 WIRE BULKHEAD PLATE	  5052 ALUM .100 ALUM SHT.	1 1 1 1 1	-
9 8 7 6 5 4	20218 20216 20212 20208 20206 11023 11021 10852	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE  SEAKEEPER 9 WIRE BULKHEAD PLATE  SEAKEEPER 9 MOTOR DRIVE BRACKET	  5052 ALUM .100 ALUM SHT. 5052 ALUM	1 1 1 1 1 1	-
9 8 7 6 5 4 3 2	20218 20216 20212 20208 20206 11023 11021 10852 10832	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE  SEAKEEPER 9 WIRE BULKHEAD PLATE  SEAKEEPER 9 MOTOR DRIVE BRACKET  SEAKEEPER 9 GIMBAL ANGLE SENSOR MOUNT FINISH MACHINED	  5052 ALUM .100 ALUM SHT. 5052 ALUM CAST ALUM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- - -
9 8 7 6 5 4 3	20218 20216 20212 20208 20206 11023 11021 10852 10832	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE  SEAKEEPER 9 WIRE BULKHEAD PLATE  SEAKEEPER 9 MOTOR DRIVE BRACKET  SEAKEEPER 9 GIMBAL ANGLE SENSOR MOUNT FINISH MACHINED  DESCRIPTION	  5052 ALUM .100 ALUM SHT. 5052 ALUM	1 1 1 1 1 1 1 QTY	- - - - - NC
9 8 7 6 5 4 3 2	20218 20216 20212 20208 20206 11023 11021 10852 10832	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE  SEAKEEPER 9 WIRE BULKHEAD PLATE  SEAKEEPER 9 MOTOR DRIVE BRACKET  SEAKEEPER 9 GIMBAL ANGLE SENSOR MOUNT FINISH MACHINED  DESCRIPTION  PROPRIETARY AND CONFIDENTIAL	  5052 ALUM .100 ALUM SHT. 5052 ALUM CAST ALUM	Seakeeper 44425 Pec	- - - - NC
9 8 7 6 5 4 3 2	20218 20216 20212 20208 20206 11023 11021 10852 10832	NG9 FLYWHEEL MOTOR STATOR  DISPLAY LABEL  CAN IMU ASSEMBLY  SEAKEEPER 9 ELECTRONICS BASEPLATE  SEAKEEPER 9 WIRE BULKHEAD PLATE  SEAKEEPER 9 MOTOR DRIVE BRACKET  SEAKEEPER 9 GIMBAL ANGLE SENSOR MOUNT FINISH MACHINED  DESCRIPTION	  5052 ALUM .100 ALUM SHT. 5052 ALUM CAST ALUM	Seakeeper 44425 Peo Suite 151	- - - NC r Inc.

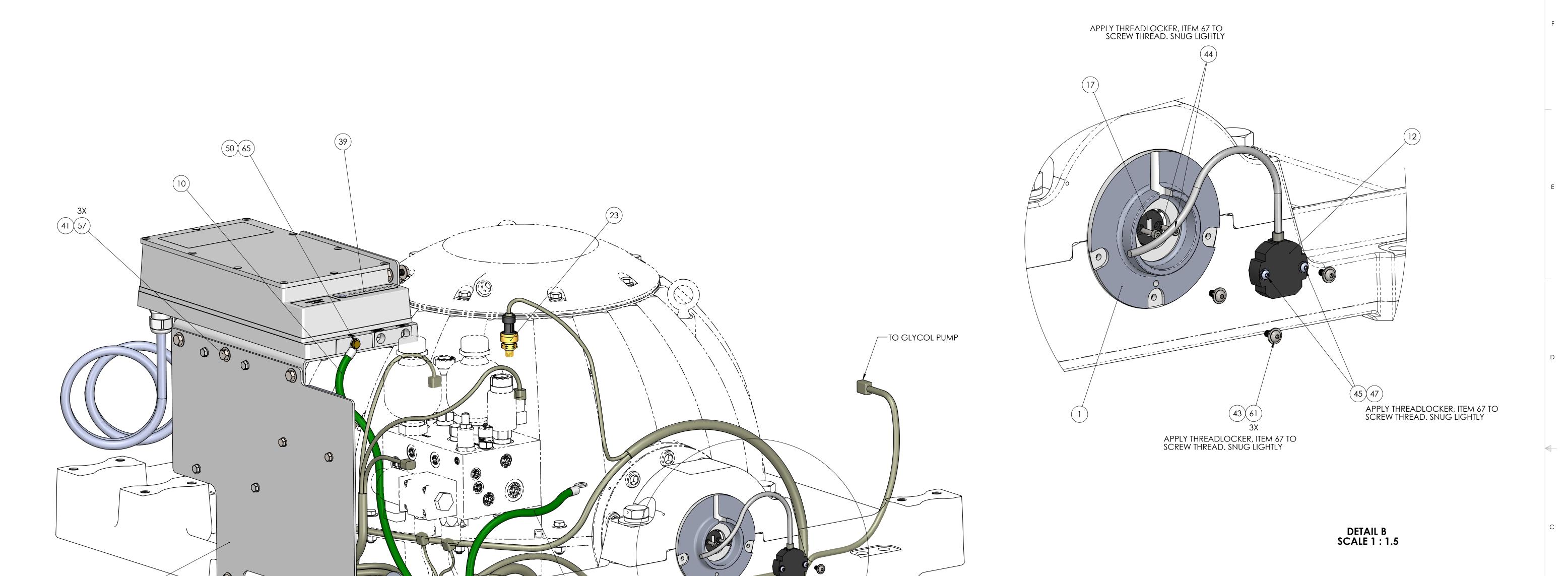
3

DRAWN: DATE: 06MAR14
ENG APPR: DATE:

PROD APPR: DATE:

SEAKEEPER 9, ELECTRICAL SUB-SYSTEM SERVICE REFERENCE





HEAT EXCHANGER GROUND CABLE

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3

5

5

APPLY SEALANT, ITEM 37 UNDER FLAT WASHER APPLY THREADLOCKER, ITEM 67 TO SCREW THREADS. TORQUE EQUALLY TO **120 IN/LBS**.

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50 65

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SEAKEEPER

Seakeeper Inc. 44426 Pecan Court Suite 151
California, MD 20619
NAME: WEIGHT - LBS : SEAKEEPER 9, ELECTRICAL SUB-SYSTEM SERVICE REFERENCE DRAWN: DATE: 06MAR14
ENG APPR: DATE: **20217-SP** REV. NO. SHEET NO. **4** 3 OF 3 PROD APPR: DATE: